



THE UNIVERSITY *of* EDINBURGH

Edinburgh Research Explorer

Socioeconomic Position and Health Outcomes Following Critical Illness

Citation for published version:

Jones, JRA, Berney, S, Connolly, B, Waterland, JL, Denehy, L, Griffith, DM & Puthucherry, ZA 2019, 'Socioeconomic Position and Health Outcomes Following Critical Illness: A Systematic Review', *Critical Care Medicine*. <https://doi.org/10.1097/CCM.00000000000003727>

Digital Object Identifier (DOI):

[10.1097/CCM.00000000000003727](https://doi.org/10.1097/CCM.00000000000003727)

Link:

[Link to publication record in Edinburgh Research Explorer](#)

Document Version:

Peer reviewed version

Published In:

Critical Care Medicine

Publisher Rights Statement:

Copyright © 2019 by the Society of Critical Care Medicine and Wolters Kluwer Health, Inc. All Rights Reserved.

General rights

Copyright for the publications made accessible via the Edinburgh Research Explorer is retained by the author(s) and / or other copyright owners and it is a condition of accessing these publications that users recognise and abide by the legal requirements associated with these rights.

Take down policy

The University of Edinburgh has made every reasonable effort to ensure that Edinburgh Research Explorer content complies with UK legislation. If you believe that the public display of this file breaches copyright please contact openaccess@ed.ac.uk providing details, and we will remove access to the work immediately and investigate your claim.



ACCEPTED MANUSCRIPTS FOR UPLOADING INTO PURE

**Please note that the accepted manuscript needs to be deposited in PURE
no later than 3 months after acceptance**

Please return form to: Ruth.MacInnes@ed.ac.uk

**This completed form will be sent for notification & communications purposes to:
Moira Whyte / University & MRC Press Offices / Paul Fitch / Amy Tyndall**

Name of PI	David Griffith
Title of Paper	Socioeconomic Position and Health Outcomes Following Critical Illness: A Systematic Review
Abstract of paper	<p>Objectives: Systematically review evidence examining association between pre-admission socioeconomic position (SEP) and physical function, health-related quality of life (HRQoL) and survival following critical illness.</p> <p>Data Sources: Four electronic databases (MEDLINE, EMBASE, CINAHL, CENTRAL) and personal libraries were searched. Reference lists of eligible articles were cross-checked.</p> <p>Study Selection: Primary quantitative studies reporting association between SEP and physical function, HRQoL or survival of adults admitted to the intensive care unit (ICU) were included.</p> <p>Data Extraction: Performed by two reviewers independently in duplicate using a pre-piloted data extraction form. Quality appraisal was completed by two reviewers independently in duplicate using standardised algorithms and checklists. The Preferred Reporting Items for Systematic Reviews guidelines were followed.</p>

	<p>Data Synthesis: From 1,799 records 10 studies were included, one examining association of SEP with HRQoL and five with survival. Four studies accounted for SEP in survival analyses. Patients with lower SEP were found to have: higher ICU, in-hospital, 30-day and long-term mortality and lower 6-month SF-12 mental component summary (SF-12 MCS) scores. No articles examined SEP and performance-based physical function. Notable variability in methods of SEP assessment were observed.</p> <p>Conclusions: Lower SEP is associated with higher mortality and lower 6-month SF-12 MCS scores following critical illness. Effect on performance-based physical function is unknown. We make recommendations for consistent SEP measurement in future ICU studies.</p>
Journal	Critical Care Medicine
Date of Acceptance	3 rd February 2019
Funder/s If your paper acknowledges any such funding, (MRC, MRC, CRUK, BHF etc.) please provide the relevant grant bodies and grant award numbers.	Australian Government
Blood Use Does this paper include data generated using material from CIR Blood Resource (ethical protocol #15-HV-013)	NO (delete as appropriate)
Acceptance Email	Please forward this to Ruth MacInnes Ruth.MacInnes@ed.ac.uk
Author's accepted peer reviewed manuscript	Please send to Ruth MacInnes Ruth.MacInnes@ed.ac.uk (Regardless of any funding; this is to comply with the REF OA Policy)
Open Access Information Payment PI's responsibility ** see below	GOLD OPEN ACCESS NO or GREEN OPEN ACCESS YES

Lay Summary Title To be sent to the Press Office on the PI's behalf.	Add information to for the website and press office (OPTIONAL)
Lay Summary Abstract NOTE: Do not use abbreviations without explanation and use terminology the public will understand.	Add information to for the website and press office (OPTIONAL)

Gold Open Access	Green Open Access
Paper is available via the Publisher's website	Paper is made available by archiving it in a repository , such as PURE
An APC (article processing charge) is usually charged – see below **	NO fees are paid
The version made available is the publisher's version	The version that should be used is the Author's Accepted Manuscript (AAM)
Paper is available immediately on publication – there are no embargoes	Access may be subject to an embargo , depending on the publisher's self-archiving policy

**Available funds for GOLD OA

- RCUK Fund covers the seven member councils including MRC and BBSRC
- The Charities Open Access Fund (COAF) covers research funded by:
 - Welcome Trust
 - Cancer Research UK
 - Arthritis Research UK
 - British Heart Foundation
 - Parkinson's UK
 - Bloodwise

Institutional funds are administered by the Scholarly Communications Team – openaccess@ed.ac.uk or visit www.ed.ac.uk/openaccess

In all cases they will pay for a CC-BY licence only (a condition of funding).

Should you have any questions please do not hesitate to contact Ruth MacInnes (ruth.macinnes@ed.ac.uk) (Tel: 0131 242 6587).